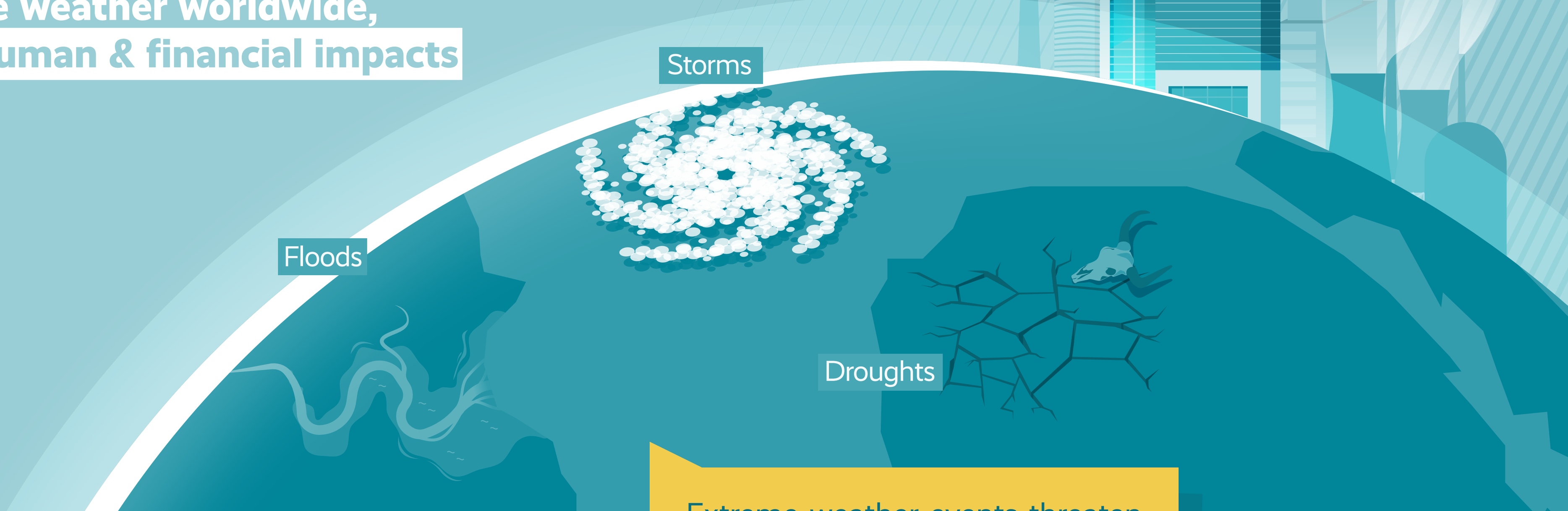
Economics of Climate Adaptation

CLIMATE CHANGE

affects extreme weather worldwide, exacerbating human & financial impacts



Losses billion USD per year		Affected people million per year
39.1	Floods	69.0
8.9	Droughts	66.7
73.6	Storms	32.3

Extreme weather events threaten urban and rural areas, from small regions to entire nations. Along with growing population and economies, losses from natural hazards are rising in the world's most exposed regions as our climate continues to change.

Current Situation | 2030 | 2040 | 2050 | 2060

In the next decades, daily maximum temperatures are projected to increase by up to 30%.

Duration, intensity and spatial extent of heatwaves and warm spells are also likely to increase.

Globally, an increase in intensity and frequency of extreme precipitation events is also expected by mid-century.

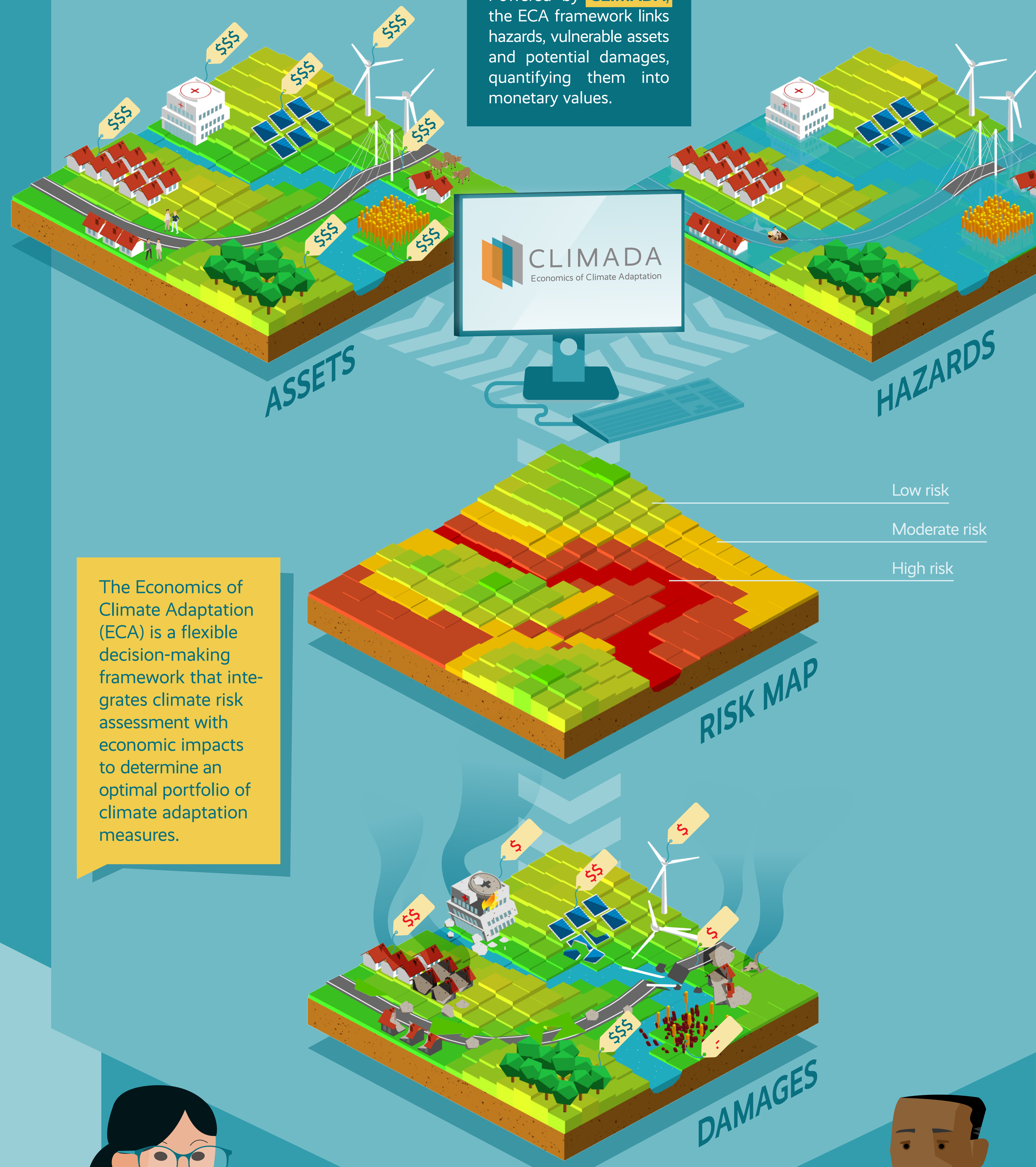
ECA offers a

UNIQUE FRAMEWORK

for the flexible identification of cost-effective climate adaptation measures

Economics of Climate Adaptation

Powered by CLIMADA, the ECA framework links hazards, vulnerable assets and potential damages, quantifying them into monetary values.

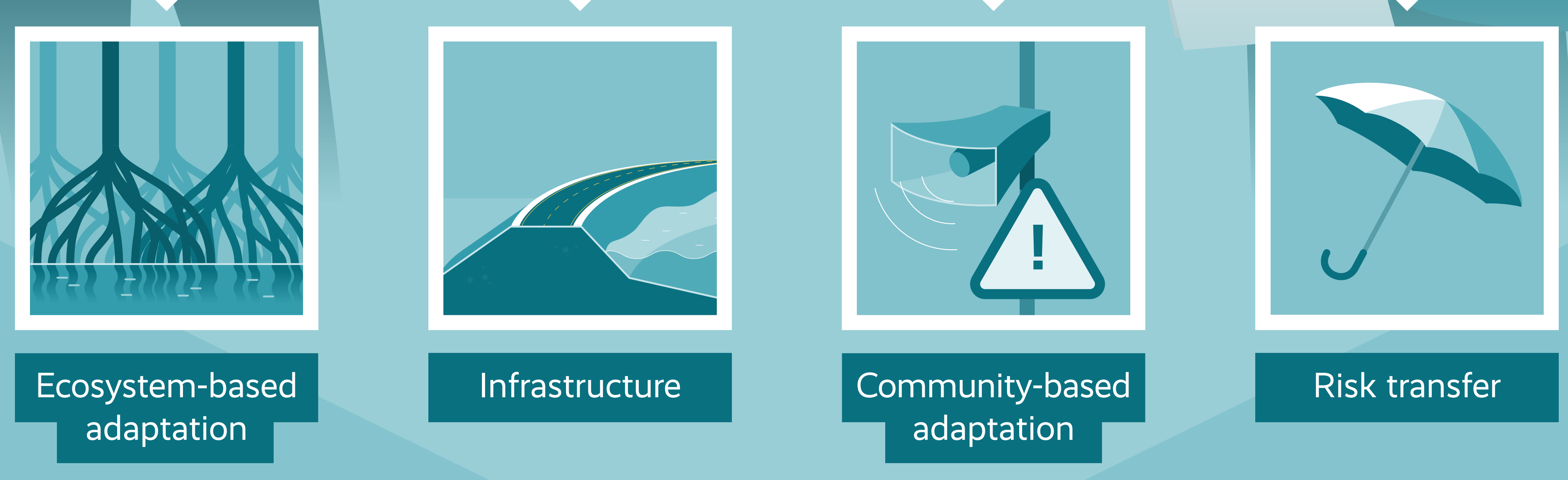


The Economics of Climate Adaptation (ECA) is a flexible decision-making framework that integrates climate risk assessment with economic impacts to determine an optimal portfolio of climate adaptation measures.

ECA systematically evaluates and offers an optimal climate adaptation measures portfolio

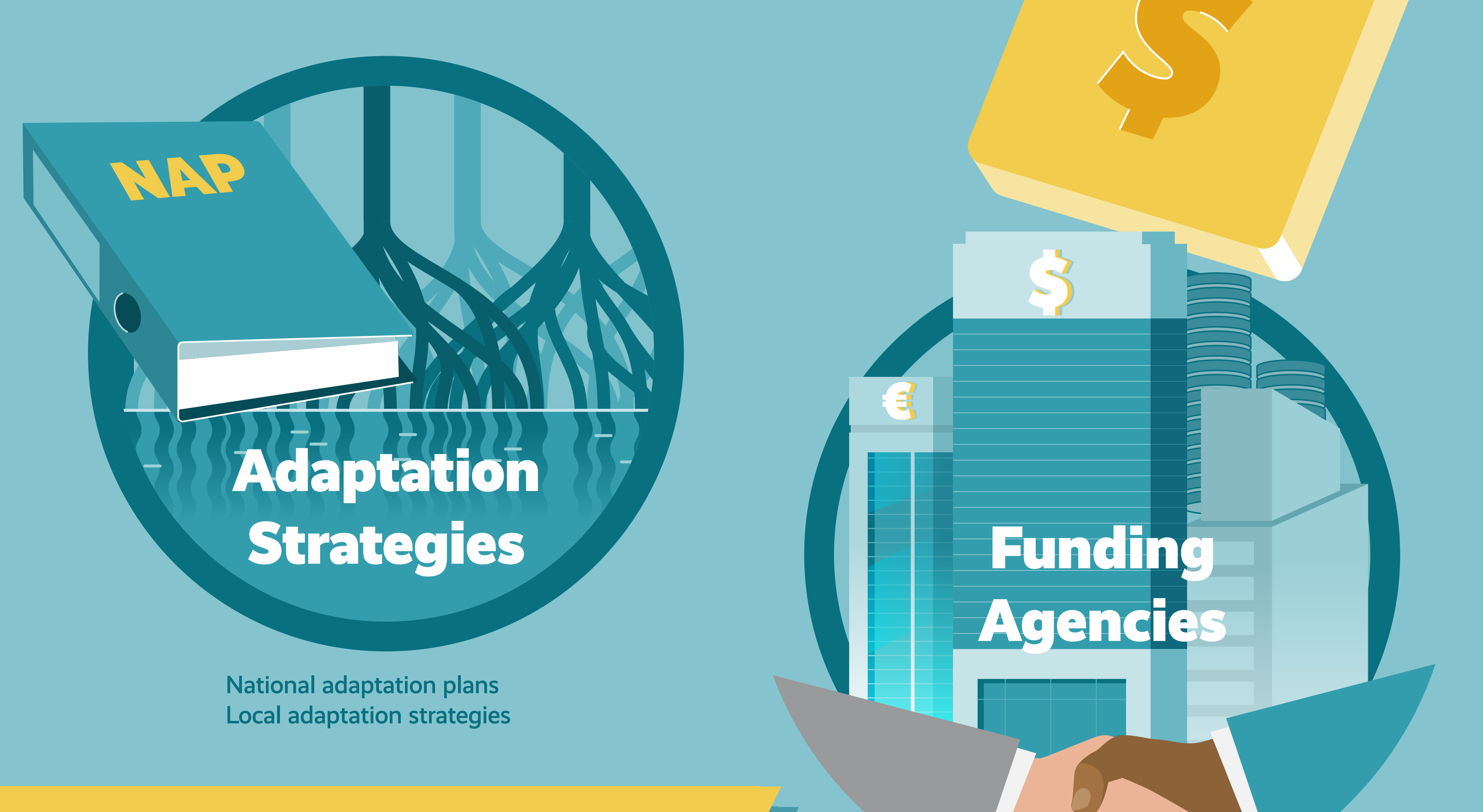
FOR DECISION MAKERS.

ECA builds a smart-mix portfolio of different adaptation measures, weighting costs and benefits of the different options to enable synergies and leverage local conditions.



The outcomes of ECA inform climate adaptation strategies and policies,

UNLOCKING CLIMATE FINANCE.



National adaptation plans
Local adaptation strategies

International cooperation
Development banks
Global funds

ECA outcomes inform local and national adaptation strategies. The quantification of climate risk and the ranking of potential benefits align with the requirements of international funding agencies and other investors.

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